

June 7, 1965

# TWELVE MILE CREEK

## OLD FIELD CANAL

Measured at diversion. Used south wing of structure as gage. Water surface 2.95' below top of wing. Measured by current meter. Water had been .5' higher in canal. Projecting banks vertical with same average velocity flow would be approximately 30 cfs. higher.

Measured by current meter	104.4 cfs.
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## HIGHLAND CANAL

Measured by current meter	33.5 cfs.
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## NEW FIELD CANAL

Free orifice .92' open-- 5.45' wide-- 2.36' of head. Suppressed bottom partially suppressed ends. Rough lumber construction. Used "C" factor of .70=43 cfs. est. 8 cfs. cut back into creek	35.0 cfs.
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CITY DITCH	est.	6.0 cfs.
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LARSON DITCH	est.	3.0 cfs.
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182.0 cfs.

June 16, 1965

OLD FIELD	GH	.90	at	1.05 = 104.4 cfs	
				.90 = 90. cfs	90.0 cfs

HIGHLAND CANAL	Same GH	1.0			33.5 cfs
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NEW FIELD CANAL	Current metered at GH	.92			38.6 cfs
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1.1 open 1.85 head used "C" of .70=46 cfs  
8 cfs. by passed = 39.0 cfs.

Lee ditch	est.	4.0 cfs
Larson ditch	est.	3.0 cfs
City ditch	est.	6.0 cfs

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175.1 cfs